

Some there are who will feel that the evolution of the ecology-idea has changed, become more individualistic and narrow, less communistic and "broad." For such the present book will not be "ecology" at all, but a study of the response of plant individuals and their organs to external influences. That such response is the fundamental and penultimate basis of ecology all will agree, but that it is the superstructure and ultimate aim of the science some will doubt. But "ecologists are not agreed even as to fundamental principles and motives, indeed no one, . . . least of all the present speaker, is prepared to define or delimit ecology." Warming did not say this, nor Clements, but Henry Chandler Cowles said it as late as 1904.*

BROOKLYN BOTANIC GARDEN

PROCEEDINGS OF THE CLUB

FEBRUARY 28, 1912

The meeting of February 28, 1912, was held in the Museum Building of the New York Botanical Garden, 4 P.M., Vice-President Barnhart presiding. Fifteen persons were present.

The minutes of the meetings of January 31 and February 13 were read and approved.

Dr. Marshall A. Howe, Secretary of the Board of Editors, presented the following proposed agreement between the Torrey Botanical Club and Columbia University:

With a view to enlarging the Library resources of the Department of Botany of Columbia University and of the Torrey Botanical Club, the following AGREEMENT BETWEEN THE TORREY BOTANICAL CLUB AND COLUMBIA UNIVERSITY WAS ENTERED INTO.

It is hereby agreed by Columbia University that it will provide for the storage of the publications of the Torrey Botanical Club; and that it will bind, catalogue and make accessible the periodicals received by it in exchange for the publications distributed in the manner below described.

It is also agreed that members of the Torrey Botanical Club

* Science II. 19: 879. Je 1904.

shall have equal rights with members of the Columbia University in the use not only of the publications thus acquired by exchange. but of all books in the library of the Department of Botany.

The Torrey Botanical Club, on its part, agrees in consideration of the privileges thus secured and the expense thus incurred by the University to transfer to the University the Property in all publications hereafter received by the University in exchange for publications of the Club.

All details relating to exchanges, subject to the resolution of the Board of Editors of the Torrey Botanical Club, hereto attached and made part of this agreement, shall be delegated to a Committee consisting of the Librarian of Columbia University and the Librarian of the New York Botanical Garden and for this purpose said librarians are hereby made *ex-officio* members of the Club, with exemption from payment of the annual dues. This Committee shall make an annual report to the Board of Editors.

(Resolutions of the Board of Editors):

1. The surplus stock of the *Bulletin of the Torrey Botanical Club* may be used for exchanges, beginning Volume 26 (1899), provided that a minimum of 50 complete sets, beginning with this date, is reserved for sale by the Club.

2. The surplus stock of TORREYA may be used for exchanges, beginning with Volume 1 (1901) provided that a minimum of 100 complete sets is reserved for sale by the Club.

3. The surplus stock of the *Memoirs of the Torrey Botanical Club* is not to be used for exchanges.

4. All exchange publications intended for use at Columbia University are to be addressed to the Torrey Botanical Club, Columbia University. Those intended for use at the Botanical Garden are to be addressed to the Torrey Botanical Club, New York Botanical Garden.

The above agreement may be terminated at the option of either of the parties thereto on six months' notice.

On motion the agreement was unanimously adopted and the President was authorized to sign the agreement on behalf of the Club.

Dr. C. Stuart Gager was elected Delegate to represent the Torrey Club at the centenary anniversary of the Academy of Natural Sciences of Philadelphia, March nineteenth, twentieth and twenty-first.

The resignations of Miss Louise H. Seely, Edwyn Waller, Leon L. Cypress, H. Dautun and Edwin C. Bolles were read and accepted. The lecture on "Agricultural Information for City People" was postponed on account of the unavoidable absence of Prof. O. S. Morgan.

Dr. C. A. Darling of Columbia University presented a paper on "The Determination of Woods." The speaker exhibited specimens of about forty different kinds of woods and outlined a method by which the identity of a piece of wood may be determined with the aid of a hand lens.

Meeting adjourned.

B. O. DODGE, *Secretary*

MARCH 12, 1912

The meeting of March 12, 1912, was held at the American Museum of Natural History at 8:15 P.M. The meeting was called to order by Dr. Z. L. Leonard in the absence of officers of the Club. Mr. Sereno Stetson was appointed Secretary pro tem. Twenty-five persons were present.

The paper of the evening consisted of an illustrated lecture by Dr. Marshall A. Howe on "Some Floral and Scenic Features of Cuba." Lantern-slide photographs were shown illustrating characteristic Cuban plant associations, particularly in the provinces of Oriente, Camagüey, Matanzas, and Pinar del Rio. Special attention was given to the numerous native palms of the island and to the cacti of the Guantanamo Bay region. The sugar, tobacco, and fruit-growing industries of Cuba were also illustrated and commented upon.

Meeting adjourned.

SERENO STETSON, *Sec. pro tem.*